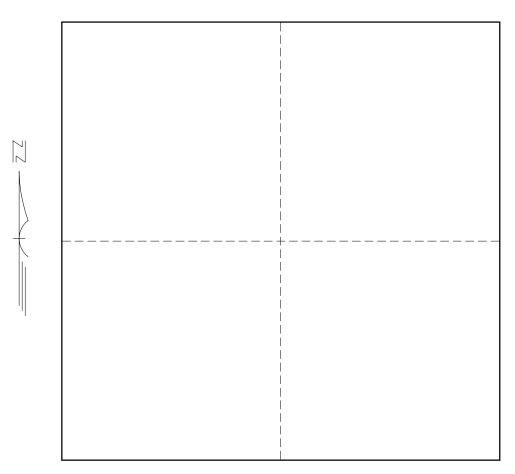
LEVEL TERRACE DESIGN

Job Name		Job Class	
1 1'	(SWCD)		
Ву		Date	
Chaakad by		Data	

Level Terrace Design Procedures

- 1. Make trial terrace system layout keeping in mind terrace standard limitations.
- 2. Check trial layout with USLE to see that the predicted soil loss, A, is less than the allowable soil loss, T.
- 3. Adjust the trial layout and/or management practices as necessary.
- 4. Determine the runoff volume for each terrace in the system.
- 5. Determine the required cross sectional area for each terrace in the system.
- 6. Select the configuration for each terrace in the system.

Terrace System Layout



Check Trial Layout With USLE

Soil Series		Allowable	e Soil Loss —	T =		tons/acre/year
Soil Erodibility Factor —	K =					
Cropping Sequence						
Management Practices						
Cropping Management Fa	ctor - C =					
Erosion Control Practice						
Erosion Control Practice	Factor - P =		Rainfall Factor — R =			
	Ter. No	Ter. No	Ter. No	Ter. No	Ter. No	Ter. No
Field Slope %						
Slope Length (feet)						
LS Factor						
Predicted Soil Loss - A						
Where $A = R K LS C I$	D .					
Continue if A is less tha	n T - If not,	adjust layout d	and/or manage	ment practices	as necessary.	ı
Determine Runoff Volume	For Each Ter	race				
	Ter. No	Ter. No	Ter. No	Ter. No	Ter. No	Ter. No
Watershed Area (acres)						
Runoff (inches)						
Runoff Volume (cu.ft.)						
Where Runoff Volume =	(Watershed Are	ea)(Runoff)				
Determine Required Cross	s Sectional Are	a Required For	Each Terrace			
	Ter. No	Ter. No	Ter. No	Ter. No	Ter. No	Ter. No
Terrace Length (feet)						
Required Cross Sec- tional Area (sq.ft.)						
Where Required Cross Se	ectional Area =	Runoff Volume Terrace Length				
Select The Terrace Confi	guration For Ec	ach Terrace In	The System			
Terrace No Terrac	e No Te	errace No	_ Terrace No	Terrace	No Terr	ace No